

# deconex® 24 FORTE

## Highly alkaline special cleaning powder

For washing machines in laboratories. With active chlorine, in powder form.



### Application

deconex 24 FORTE is universally applied in laboratories to remove very resistant organic and inorganic residues and contamination from laboratory glass and reusable laboratory material.

deconex 24 FORTE is being applied in:

- chemical laboratories,
- biological laboratories,
- laboratories in the pharmaceutical industries,
- petrochemical industries,
- food-industries and dairy farming.

### Properties

deconex 24 FORTE is a highly alkaline special cleaning powder with excellent dirt-removing and dispersing properties. The product's high alkalinity enables the removal of very resistant contamination. Materials and washing machines are protected by the integrated corrosion inhibitor.

### Dosage

The optimum dosage depends mainly on the hardness of the water and the nature of the contamination. In principle, the use of softened feedwater improves the cleaning results. Consequently, the dosage can be reduced.

In practice, the following dosage has given good results:

Dosage	in softened water	in hard water
deconex 24 FORTE	2-3 g/l	3-5 g/l

The cleaning time is 2-5 min at a temperature of 60 °C.

The completely residue-free cleaning of laboratory glass and reusable material is an important prerequisite for the successful application of a cleaner in analytical-, synthesis- and cell culture laboratories.

deconex 24 FORTE effectively removes:

- dried and burnt-in synthesis-residues from organic reactions (e.g. polymers), distillation residues, dried greases and oils, colour residues, varnish and pigments.

### Ingredients

Alkalis, complexing agents, corrosion inhibitor, organic chlorine donor

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## Information on use

Generally, an increase of the temperature leads to a reduction of the cleaning process time. According to a rule of thumb, raising the temperature by 10 °C, cuts the cleaning process time in half, and vice versa.

Further, we recommend you:

- a proper loading of washing goods (avoid overloading) and
- the use of softened or demineralized water for final rinsing.

### Neutralization

For neutralization of alkaline residues, an acidic rinse should always follow the cleaning steps. deconex 26 MINERALACID, deconex 26 PLUS respectively, as neutralizer in combination with deconex 24 FORTE is recommended. Please ask for the corresponding data sheets.

## Chemical/physical data

pH	1% solution in demineralized water	approx. 12.3
Appearance	concentrate	white powder
Titrate procedure	with 0.1 n hydrochloric acid	indicator: phenolphthalein
Consumption of 0.1 n hydrochloric acid	for 100 ml fresh washing fleet	90 ml/1% (w/w) of powder

## Availability

Please ask your local representative about current container sizes.

Containers, screw caps and labels are made of recyclable polyethylene.

## Material compatibility

Suitable for:

Laboratory glass, ceramics, PVC, PP, PE (hard), teflon, Viton

Not suitable for:

Aluminium, anodised aluminium, zinc and non-ferrous metals

For materials not mentioned please make your own specific compatibility tests or consult Borer Chemie AG.

## Additional information

For information concerning safety at work, storage and waste disposal/effluent, please consult the corresponding safety data sheet.

Take advantage of our vast know-how! Please, contact us for further information regarding your specific application.



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